Ministry of
Northern Development
and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

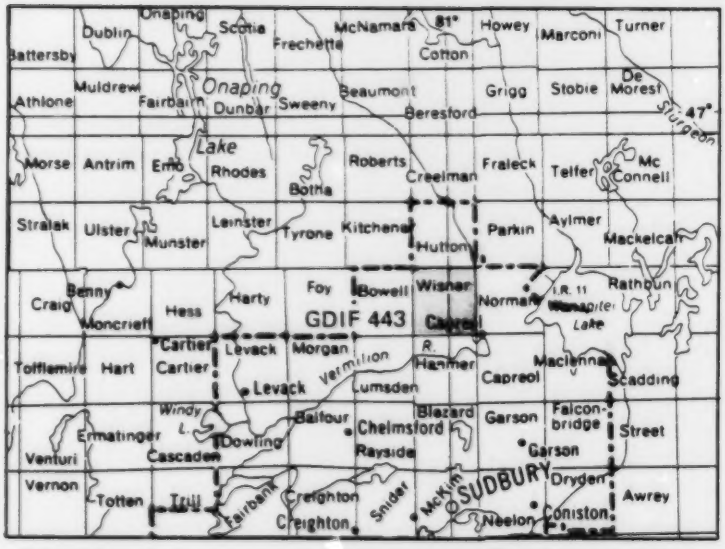
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 443

WISNER TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/10,11,14,15

89-03500/ Claim Map Number M-1185

Funding This project is part of the Canada-Ontario Mineral Development Agreement (COMDA), which is a subsidiary agreement to the Economic & Regional Agreement (ERDA) signed by the governments of Canda and Ontario.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1988: Wisner Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 443, compiled by the staff of the Resident Geologist's Office, Sudbury, 2lp., 2 maps.

Original Compilation by: Jerome, Lucille, September 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	No	L.J.
10	GSC Index to Publications	Yes	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	Yes	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
△ cp. . . . . Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (fluorspar)
△ fu. . . . . .Fuchsite
△ gn. . . . . Galena
△ gt . . . . . Garnet
△ goe . . . . . .Goethite
△ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
▲ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
△ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Wisner Township Occurrence	q, py, mag	Fe 2	MRC 11, p. 363	I.O.C., p.207 GR 157, p.190
B	Joe Lake Occurrence (see Note No. 1, p.11)	Ni, Cu	Ni 4	MRC 12, p. 282	

WISNER TOWNSHIP 4

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Sudbury		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Inco Ltd. (Wisner 0011-A1)											46								
2	Inco Ltd. (Wisner 0012)	85										85								
3	Inco Ltd. (Wisner 0012)	85										85								
4	Inco Ltd. (Wisner 0010)				50 62 68															
5	Inco Ltd. (Wisner 0010)				50- 51															
6	Inco Ltd. (Wisner 0010)				60															
7	Inco Ltd. (Wisner 0010)				51															
8	Inco Ltd. (Wisner 0010)				50															
9	Inco Ltd. (Wisner 0010)				50															
10	Inco Ltd. (Wisner 0010)				50															
11	Inco Ltd. (Wisner 0010)				50															
12	Inco Ltd. (Wisner 0010)				50															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Sudbury COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	Inco Ltd. (Wisner 0010)				68															
14	Inco Ltd. (Wisner 0010)				62 63															
14	Dennie, R. C. (Wisner 0010)				61															
15	Inco Ltd. (Wisner 0011-C1)				62															
16	Inco Ltd. (Wisner 0011-C1)				50- 51															
17	Inco Ltd. (Wisner 0011-C1)				50- 51															
18	Inco Ltd. (Wisner 0013-A1)				85															
19	Falconbridge Nickel Mines Ltd. (Wisner 0011-B1)				48															
20	Falconbridge Nickel Mines Ltd. (Wisner 0011-B1)				48															
21	Falconbridge Nickel Mines Ltd. (Wisner 0011-B1)				48															

GDIF FORM NO. 2

6 MISNER TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Sudbury COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
22	Copper-Man Mines Ltd. (Bowell 0013-B1)											59								

GDIF FORM NO. 2

WISNER TOWNSHIP

TYPE OF WORK	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																			

GDIF FORM NO. 2

7

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Inco Ltd.	7481	1950	320	70	5	200		
2		22469	1962		90	20	205		
3		35735	1968		90	8	600		
4		7444	1950-51		90	5	3200	S	
5		19951	1960		90	2	2068		
6		7448	1951		90	5	2200	ep	
7		7445	1950		90	15	2641	py, po	
8		7442	1950		90	7	3409	py	
9		7443	1950		90	10	3610	ep, py, po	
10		7441	1950		90	16	3611	ep, py, po	
11		7450	1950		90	2	215	mag, py, po	
12		35737	1968	325	45	7	625		
13		35739	1968	325	45	9	377		
14		35742	1968	325	45	12	400	S	
15		35743	1968	325	45	30	402		
16		35745	1968	325	45	12	386	S	
17		35746	1968	325	45	18	383	py	
18		35747	1968	325	60	10	382	hem	
19		35748	1968	325	45	7	252	S, hem	
20		19901	1962		90	6	1488		
21		22098	1962	090	88	2	4407	hem	
22		23361	1963		90	4	641	py	
23	Dennie, R. C.	6	1961	360	85	0	33		
24		7	1961	360	85	0	32		
25	Inco Ltd.	19923	1962		90	8	3602	hem	
26		7446	1950-51		90	13	2640	py	
27		7447	1950-51		90	5	2160	py	
28		70058	1985	180	50	5	171	py, cp, ep	
29		70059	1985	360	45	5	300	py, cp, ep	
30	Falconbridge Nickel Mines Ltd.	W-XC-5	1948	180	45	1	40	py	
31		W-XC-6	1948	045	40	1	41	po, py	
32		W-XC-7	1948	315	45	2	40		

GDIF FORM NO. 3

WISNER TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA			
	Type of Survey	Analysis For	By	Reference

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

Note No. 1 Ryanor Mining Co. Ltd. held a group of 8 mining claims in Lots 6 & 7, Concession 3, Wisner Township during 1960 and 1961. Geological, magnetic and electromagnetic surveys were done on the property. A series of 28 diamond drill holes totalling 23,300 feet were put down. No other information is available on the assessment work in the Sudbury Office. All work was performed to investigate a nickel-copper showing.

Note No. 2 (North Range Shaft Area) The British America Nickel Corp. owned a group of claims in Lots 9 & 10, Concession 3, Wisner Township prior to 1926. Diamond drilling and test pitting were done by unknown parties prior to 1913. No other information is available for this work in the Sudbury Office.
In 1926, Inco Ltd. acquired the property and in 1946 Lots 11 & 12, Concession 3 were added to the group. A 3100 foot exploration shaft was commenced in 1967 and work ended in 1972. The property never produced.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

ODM GENERAL INDEX SEARCH

Words searched:

BRITISH AMERICA NICKEL CORP.
CLEAR LAKE
COPPER-MAN MINES LTD.
DENNIE, R. C.
FALCONBRIDGE NICKEL MINES LTD.
FRENCHMAN LAKE
INCO LTD.
JOE LAKE
KUMSKA LAKE
RYANOR MINING CO. LTD.
WISNER LAKE
WISNER TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	British America Nickel Corp.			
	Capital and date of license	23	1	42
	Officers	23	1	121
1	Clear Lake, Hutton and Wisner Tps.			
	Huronian sediments near	14	3	127
	Iron ore near	13	1	220
	compared with Michipicoten ores	10		190
	mining	10		177, 178
	notes by Coleman	10		185, 186
	Norite near, petrographical notes	12		295
	Quartzite south of	10		205
1	Joe (or Marion) Lake, Wisner Tp.	13	1	192
	Moraine near	14	3	102
	Rocks on and near	13	1	202
		10		185
		14	3	72, 81
	conglomerate	14	3	94,130, 131
	diabase dike	14	3	85
	greenstone	10		206
	nickel-bearing eruptive	13	1	211
	norite	13	1	214
		23	1	200
	petrography	12		295
1	Wisner Tp., Sud.			
	Geology	13	1	202
	Iron ore	10		201
		16	1	16
	Moraine	14	3	102
	Rocks	12		274
		14	3	71-73
	diabase	13	1	203
	petrography	13	1	213
	Huronian	14	3	127
	iron-bearing, notes	10		185-186
	nickel-bearing	13	1	211
	norite	14	3	80
		23	1	200
	tuff	14	3	132
2	Clear Lake, Wisner and Hutton Tps.			
	Iron formation, low grade	I. O.		207

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Joe Lake, Wisner Tp. Nickel deposits North of,	N. C.		R55
2	Nandair, Wisner Tp. Rocks between, and Capreol	34	8	7,8,14, 24
4	Ryanor Mining Co. Ltd. Incorporated	55	1	53
5	Copper-Man Mines Ltd. Change of name	62	1	60
6	Joe Lake, Wisner Tp. Rocks	65	3	72,76,79
8	International Nickel Co. of Canada Ltd., The Wisner Tp., Sudbury Dist. report on N. Range Mine	AR77 AR78 AR79 AR80		106 76 82 80
8	Wisner Tp., Sudbury Dist. Iron Nickel/copper	MRC 11 AR78 AR79 AR80		363 76 82 80
9	British America Nickel Corp. Ltd. Capreol area, Sudbury Dist.	MP90		105
9	Copper-Man Mines Ltd. Wisner Tp., Sudbury Dist.	MP90		106
9	Wisner Tp., Sudbury Dist. Geology (Quaternary) of the Sudbury Basin Area Sand and gravel	GR181 GR181		 50
9	Wisner Tp. Occurrence Wisner Tp., Sudbury Dist.	GR157		190-191

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1966-67	Sudbury Mining Area	O.D.M. Map 2170	1" = 1 mile
	1965, 67	Cartier Sheet	O.D.M. Map P.287	1" = 2 miles
Card, K. D., Lumbers, S. B	1974, 75	Sudbury-Cobalt Geological Compilation (revised)	O.G.S. Map 2361	1" = 4 miles
Dressler, B. O.	1984	Sudbury Geological Compilation	O.G.S. Map 2491	1:50,000
	1983	Sudbury Mining Area, East Part	O.G.S. Map P.2603	1:50,000
Muir, T. L., Rebic, Z. and Dressler, B. O.	1980	Capreol Area, West Part	Map P.2377	1" = ½ mile
		GEOPHYSICAL MAPS		
G.S.C. - O.D.M.	1965	Aeromagnetic Map - Capreol	1511G	1" = 1 mile
		Aeromagnetic Map - Chelmsford	1518G	1" = 1 mile
		Aeromagnetic Map - Venetian Lake	1519G	1" = 1 mile
		Aeromagnetic Map - Milnet	1512G	1" = 1 mile
Gupta, V. K.	1981	Bouguer Gravity and Generalized Map of the Sudbury-Onaping Lake Area	O.G.S. Map P.2482	1:100,000
O.D.M. - G.S.C.	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury	Map P.1610	1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Burwasser, G. J.	1972	Quaternary Geology and Industrial Mineral Resources of the Sudbury Area (East Part)	Map P.752	1:50,000
E.M.R.	1975	Topographic Map - Capreol		1:50,000
		Topographic Map - Chelmsford		1:50,000
		Topographic Map - Venetian Lake		1:50,000
		Topographic Map - Milnet		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map, Cartier	Map 5000	1:100,000
		N.O.E.G.T. Study 94, Cartier Area		
		N.O.E.G.T.S. Data Base Map, Capreol	Map 5001	1:100,000
		N.O.E.G.T. Study 95, Capreol Area		
		N.O.E.G.T.S. General Construction Capability Map, Cartier	Map 5004	1:100,000
Sado, E. V. and Carswell, B. F.	1987	Surficial Geology of Northern Ontario	O.G.S. Map 2518	1:1,200,000
		MINERAL POTENTIAL MAPS		
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		GEOCHEMICAL MAPS		
		No data available as of September 2, 1987		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1982	Wisner Township - Sudbury Data Series	Map P.2461	1" = ¼ mile
Burrows, A. G. and Rickaby, H. C.	1929	Sudbury Basin Area	Map 38g AR Vol. 38, pt. 3	1" = 1½ mile
Burwasser, G. J.	1979	Quaternary Geology of the Sudbury Basin Area	GR181 Map 2397	1:50,000
Bussolaro, N., Rousell, D. H., Beswick, A.	1984	Mineralization in the Onaping Formation, Sudbury Basin, Ontario. Project 4A	G.S.C. OFR 1090	
Card, K. D. and Hutchinson, R. W.	1972	The Sudbury Structure: its Regional Geological Setting	G.A.C. Special Paper 10	pp. 67-78
Coleman, A. P.	1901	Iron Ranges of the Lower Huronian	O.B.M. AR Vol. 10	pp. 181-212
Larochelle, A.	1969	Preliminary Results of a Study of the Paleomagnetism of the Sudbury Irruptive	G.S.C. Paper 69-19	
Muir, T. L.	1981	Geology of the Capreol Area	OFR 5344	
Peredery, W. V.	1972	Chemistry of Fluidal Glasses and Melt Bodies in the Onaping Formation, Sudbury, Ontario	G.A.C. Special Paper 10	pp. 49-59
Shklanka, R.	1968	Iron Deposits of Ontario	MRC 11	
Shklanka, R., editor	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC 12	

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Stevenson, J. S.	1972	The Onaping Ash-Flow Sheet, Sudbury, Ontario	G.A.C. Special Paper 10	
		JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS		
Atwood, W. W. Jr.	1927	Physical Features of the Sudbury Basin; M. S., Clark University	MP-2	
Desborough, G. A. and Larson, R. R.	1970	Nickel-Bearing Iron Sulfides in the Onaping Formation, Sudbury Basin, Ontario	Econ. Geol. Vol. 65	pp. 728-730
Fullagar, P. D. et al	1971	Rb-Sr Study of Shock-Metamorphosed Inclusions from the Onaping Formation, Sudbury, Ontario	C.J.E.S. Vol. 8	pp. 435-443
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Hewins, R. H.	1971	The Petrology of some Marginal Rocks Along the North Range of the Sudbury Irruptive	Sudbury Theses File	
Jackson, W. H.	1951	Field Relationship of the Creighton Granite to the Norite Sudbury Map Area, Ontario; B. A. Sc., University of Toronto	MP-2	
Kindle, E. D.	1933	An Analysis of the Structural Features of the Sudbury Basin and their Bearings on Ore Deposition; Ph. D., University of Wisconsin	MP-2	
Peredery, W. V.	1972	The Origin of the Rocks at the Base of the Onaping Formation	Sudbury Theses File	
Rousell, D. H.	1975	The Origin of Foliation and Lineation in the Onaping Formation and the Deformation of the Sudbury Basin	C.J.E.S. Vol. 12	pp. 1379-1395

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Rousell, D. H.	1980	Kink Bands in the Onaping Formation; Sudbury Basin, Ontario	Tectonophysics Vol. 66	pp. 83-97
Steierman, B. L.	1939	Feldspar Variation in the Transition Zone of the Sudbury Irruptive; B. A., University of Wisconsin	MP-2	

GDIF FORM NO.

NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

Scale 1" = ¼ mile

Sudbury Files

Year	Roll	Line	Number
1973	25	4632	98-103
	15	4631	225-228
	14	4630	273-278
1970	24	4633	226-229
	26	4632	1-6
	26	4631	68-70
	30	4630	1-5
1959	5	4631	127-133
	12	4629	27, 28
1946	37	142	2-9
	37	143	46-52
	36	144	62-68
	204	145	30-37

HUTTON

BOWELL

NORMAN

Kumsko Lake

Hutton Creek

Vermilion River

Rapid

Joe Lake

Bronson Lake

Winner Lake

46°47'30"

80°55'00"

Kilometre 0.5

Mile 0.5

Ontario

ONTA

PRO

GEOLOGICAL

WISN

DIS

HUTTON

NORMAN

Ontario Ministry of Northern Development and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 443

(Map 1 of 2)

WISNER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

46° 47'30"

80° 55'00"

Hutton

Vermilion River

Wisner Lake

Bronson Lake

Joe Lake

Creek

2 2 2 2 4 4 18 1 1 13 19 20 5 9 8 16 17 7

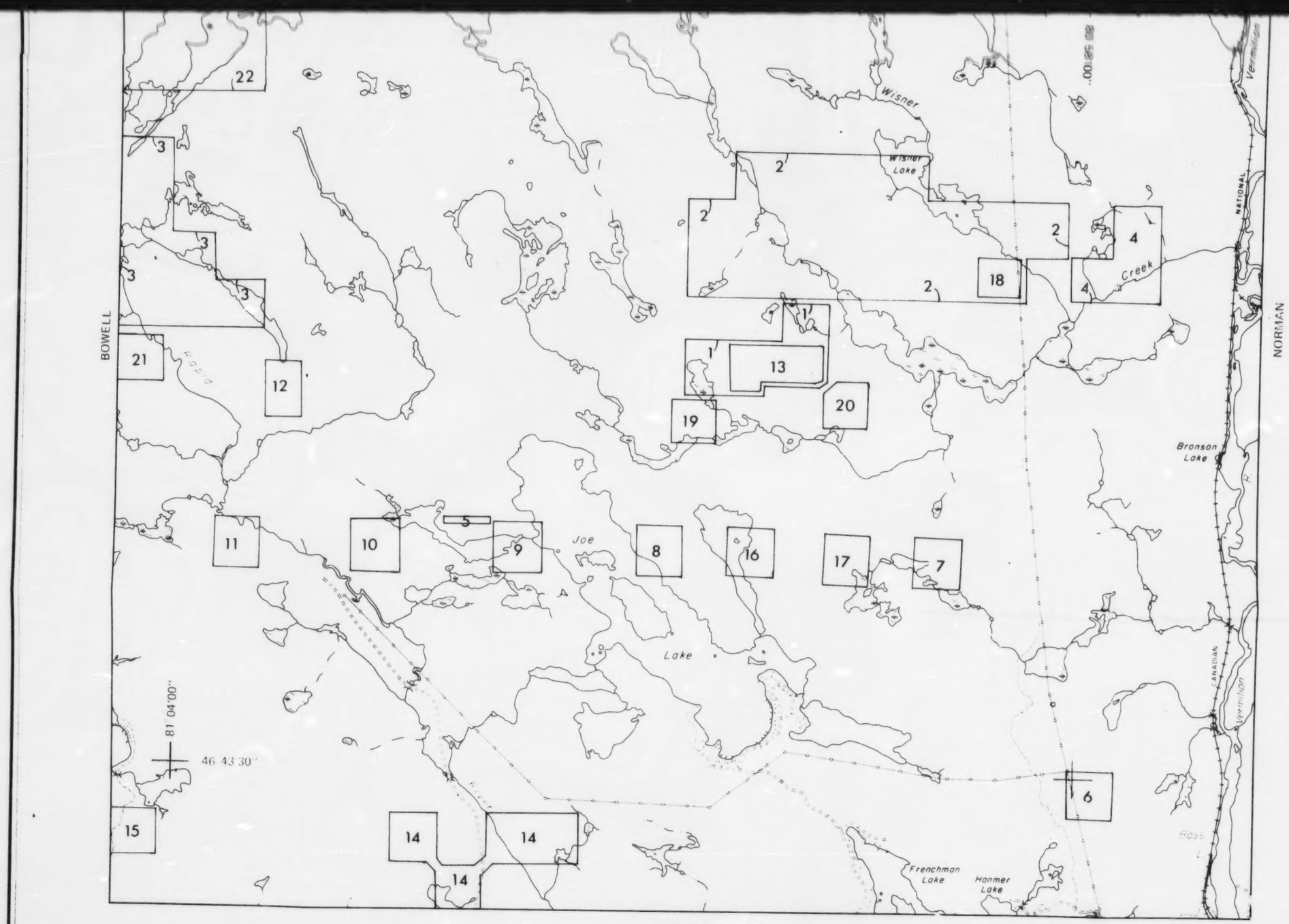
WISNER

DISTRIC

Sca

Kilometre 0.5 0

Mile 0.5 0



HANMER

EXPLORATIO

Reference numbe
See listing in text

Small area explor

File covers whole

(Map 1 of 2)

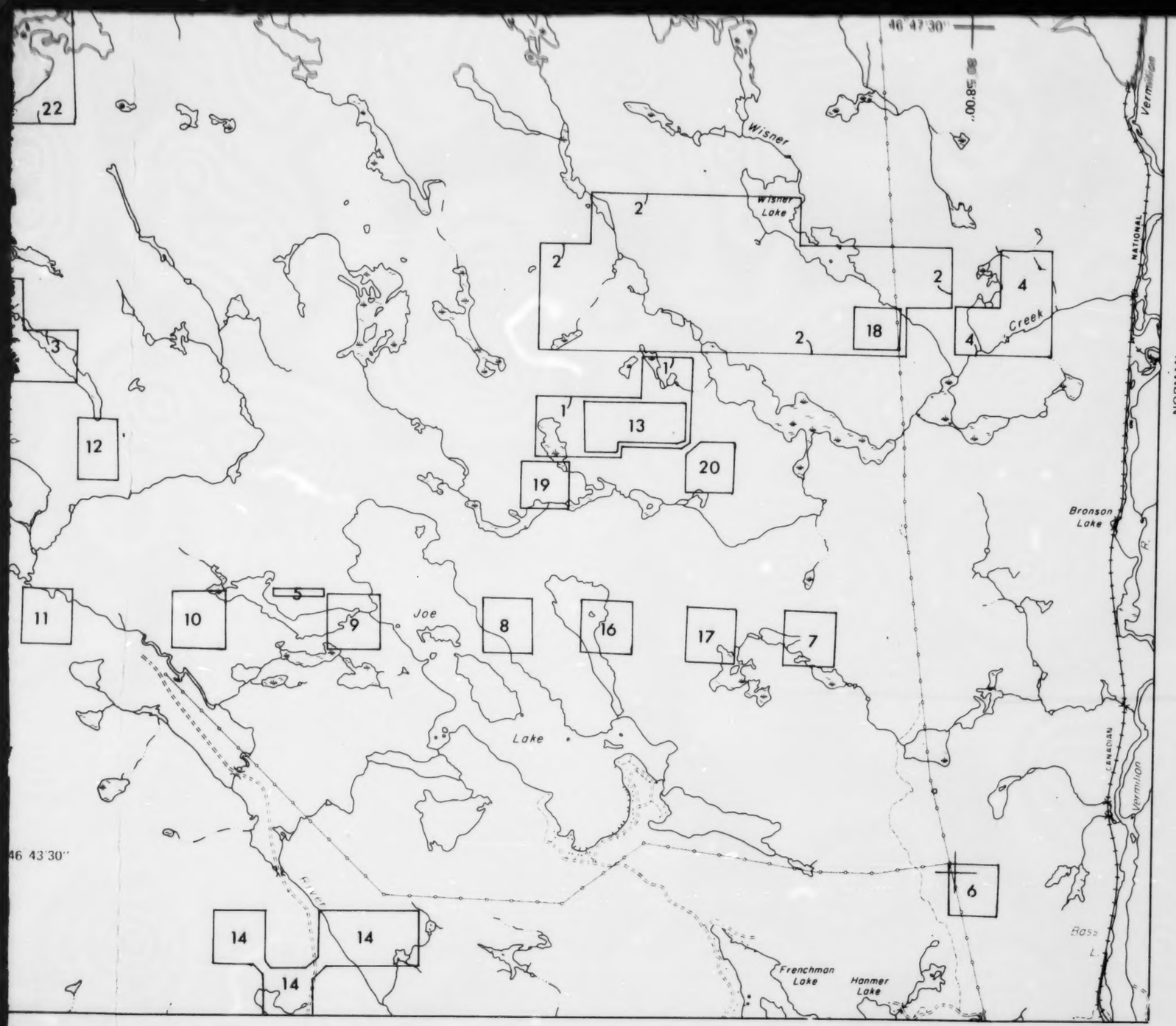
WISNER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

- ■ (1) (6) — Reference number is always inside work area outlined. See listing in text pages.
- □ x (4) — Small area exploration.
- □ ★ — File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

HUTTON

Kumska Lake

Wisner

Wisner Lake

Hutton Creek

BOWELL

Rapid

Joe Lake

North Range Shaft 3100

B Ni, Cu

46°47'30"

81°04'00"

80°59'00"

HUTTON

Kumska Lake

Hutton Cr.

Vermilion River

NATIONAL

NORMAN

46°47'30"

80°58'00"

Wisner

Wisner Lake

Creek

Rapid

Bronson Lake

R.

Joe

Lake

North Range Shaft 3100

81°04'00"

46°43'30"

River

CANADIAN

Vermilion

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 443

(Map 2 of 2)

WISNER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number.

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number

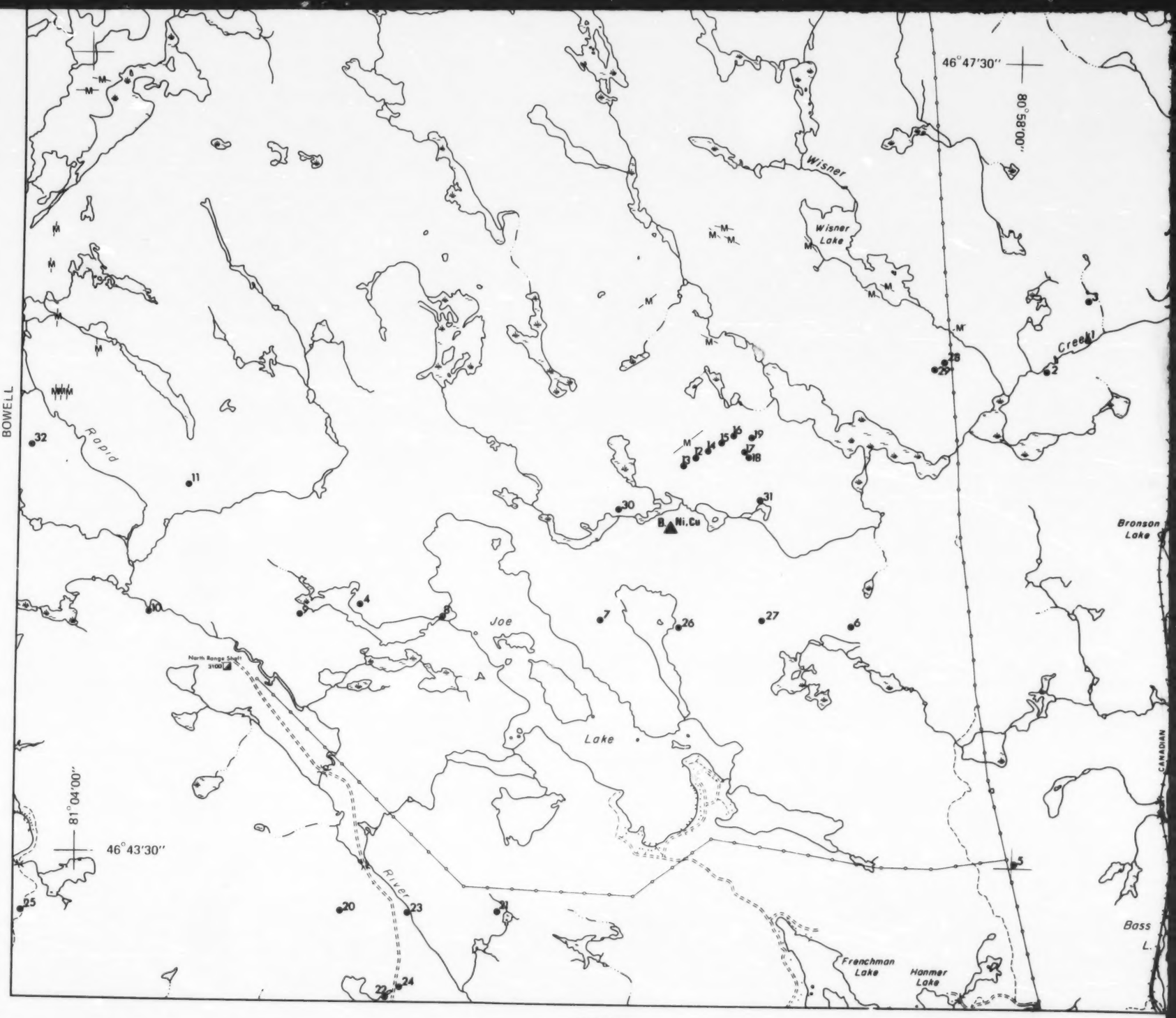
GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ —ARA— Airborne radiometric anomaly
- ■ —M— Ground magnetic anomaly
- ☐ VL Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ —RA— Ground radiometric anomaly
- ☐ —IP— Induced polarization anomaly
- ☐ —SP— Self potential anomaly
- ☐ —AFMAG— Audio-frequency magnetic anomaly (total intensity)
- ☐ —R— Resistivity anomaly
- ☐ —GR— Gravity anomaly

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



HANMER

(Map 2 of 2)

WISNER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp ▲ A. — Mineral occurrence at surface, with reference letter
- □ Au ◪ A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ■ Ag ⚠ A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp ▬ A. — Mineralized float with reference letter
- □ △ A. — Mineral occurrence in drillhole, with reference letter, and drillhole number.

DRILLHOLES

- ■ ●2 — Location of single drillhole, with reference number
- □ ◉2 — Location of closely spaced group of drillholes, with reference number
- □ ?2 — Drillhole, exact location uncertain, with reference number
- □ ◎ — Property with underground drillholes in this general area, with reference number
- □ ○2 — Property with drillholes which have not been plotted on map, with reference number
- □ ⊕2 — Reverse circulation drillhole; churn drilling, with reference number

NORMAN

HANMER